**Genetic Control**

This is a list of all the concepts you will be responsible for in this chapter. You need to have all these words/phrases written and defined in your “Notes” Journal.

**Major Concepts:**

* Semi-conservative replication
* Base pairing and hydrogen bonding
* Protein synthesis
  + Transcription, translation

**Structures:**

* Nucleotides
  + Phosphate
  + Pentose sugars: ribose, deoxyribose
  + Nitrogenous bases
    - Cytosine, thymine, uracil, adenine, guanine
* Polynucleotides
  + DNA vs. RNA
* mRNA
  + Codon
  + Triplet code
* tRNA
  + Anticodon

**Vocabulary:**

* Genes
  + Alleles
  + Mutations
    - Sickle cell anemia

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